

**DECLARATION OF INVENTOR FOR PATENT APPLICATION**

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SEMICONDUCTOR DEVICES HAVING CONTACT PLUGS AND LOCAL INTERCONNECTS AND METHODS FOR MAKING THE SAME, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

**PRIOR FOREIGN APPLICATIONS:**

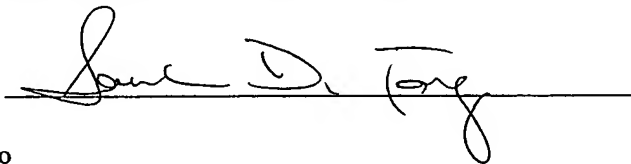
I hereby state that no applications for foreign patents or inventor's certificates have been filed prior to the date of execution of this declaration.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued therefrom.

\* \* \* \* \*

Full Name of First Inventor Joint Inventor: Sanh D. Tang

Inventor's Signature



05/31/01  
Date

Residence: Boise, Idaho

Citizenship: United States of America

Post Office Address: 1273 N Jullion Ave, Boise, Idaho 83704

Full Name of Second Joint Inventor: Daniel Smith

Inventor's Signature

Daniel Smith

5/31/01

Date

Residence: Boise, Idaho

Citizenship: United States of America

Post Office Address: 4785 S Ambush, Boise, Idaho 83709

Full Name of Third Joint Inventor: Jason Taylor

Inventor's Signature

Jason Taylor

6/1/01

Date

Residence: Boise, Idaho

Citizenship: United States of America

Post Office Address: 215 S Mark Street, Boise, Idaho 83705

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Sanh Dang Tang et al.

Art Unit --

Application No. --

Filed: Herewith

For: SEMICONDUCTOR DEVICES  
HAVING CONTACT PLUGS AND  
LOCAL INTERCONNECTS AND  
METHODS FOR MAKING THE SAME

Examiner: --

Date: April 17, 2001

**POWER OF ATTORNEY BY ASSIGNEE AND  
CERTIFICATE BY ASSIGNEE UNDER 37 CFR § 3.37(b)**

TO THE ASSISTANT COMMISSIONER FOR PATENTS  
Washington, DC 20231

Sir:

MICRON TECHNOLOGY, INC., the Assignee of the entire right, title and interest in the above-identified patent application by assignment attached hereto, hereby appoints the attorneys and agents of the firm of KLARQUIST SPARKMAN CAMPBELL LEIGH & WHINSTON, LLP, listed as follows:

Name	Reg. No.	Name	Reg. No.
BLYVEIS, Deborah B.	47,337	PETERSEN, David P.	28,106
CALDWELL, Lisa M.	41,653	POLLEY, Richard J.	28,107
GIRARD, Michael P.	38,467	RINEHART, Kyle B.	47,027
HAENDLER, Jeffrey B.	43,652	RUPERT, Wayne W.	34,420
HARDING, Tanya M.	42,630	RYBAK, Sheree L.	47,913
JAKUBEK, Joseph T.	34,190	SCOTTI, Robert F.	39,830
JONCUS, Stephen J.	44,809	SIEGEL, Susan Alpert	43,121
JONES, Michael D.	41,879	SLATER, Stacey C.	36,011
KLARQUIST, Kenneth S.	16,445	STEPHENS Jr., Donald L.	34,022
KLITZKE II, Ramon A.	30,188	STUART, John W.	24,540
LEIGH, James S.	20,434	VANDENBERG, John D.	31,312
MAURER, Gregory L.	43,781	WHINSTON, Arthur L.	19,155
NOONAN, William D.	30,878	WIGHT, Stephen A.	37,759
ORR, David E.	44,988	WINN, Garth A.	33,220

and also attorneys Michael L. Lynch (Reg. No. 30,871), Lia M. Pappas (Reg. No. 34,095), W. Eric Webostad (Reg. No. 35,406) and Charles Brantley (Reg. No. 38,086) of Micron

Technology, Inc., as its attorneys with full power of substitution to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

The Assignee certifies that the above-identified Assignment has been reviewed and to the best of Assignee's knowledge and belief, title is in the Assignee, and a copy of the Assignment is submitted herewith.


Please direct all correspondence regarding this application to:

KLARQUIST SPARKMAN CAMPBELL  
LEIGH & WHINSTON, LLP  
Attn: Lisa M. Caldwell  
One World Trade Center, Suite 1600  
121 S.W. Salmon Street  
Portland, OR 97204-2988

Telephone: (503) 226-7391  
Facsimile: (503) 228-9446

MICRON TECHNOLOGY, INC.

Date: 6-1-01

By:   
Name: Michael L. Lynch, Esq.  
Title: Chief Patent Counsel

Attachment: Copy of Assignment; Copy of Board of Directors' Resolution

## ASSIGNMENT

WHEREAS, we, Sanh Dang Tang, of Boise, County of Ada, State of Idaho, Daniel Smith, of Boise, County of Ada, State of Idaho, and Jason Taylor, of Boise, County of Ada, State of Idaho, have invented a certain invention, entitled SEMICONDUCTOR DEVICES HAVING CONTACT PLUGS AND LOCAL INTERCONNECTS AND METHODS FOR MAKING THE SAME, for which we are making application for Letters Patent of the United States, said application being filed concurrently herewith; and

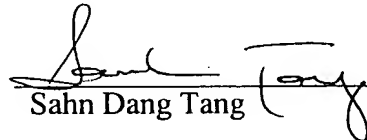
WHEREAS, Micron Technology, Inc., a corporation organized under the laws of the State of Delaware, having a place of business at 8000 S Federal Way, Boise, Idaho 83707-9632, desires to acquire an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Sanh Dang Tang, Daniel Smith, and Jason Taylor, hereby sell, assign and transfer to Micron Technology, Inc., the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Micron Technology, Inc., for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Micron Technology, Inc., or its successors and assigns, any facts known to us respecting said invention,

and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Micron Technology, Inc., its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

We hereby grant the law firm of Klarquist Sparkman Campbell Leigh & Winston, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.

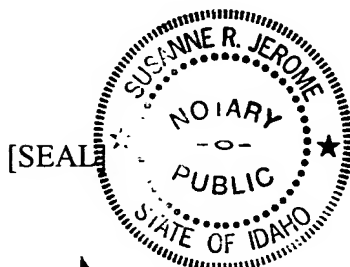
  
Sahn Dang Tang

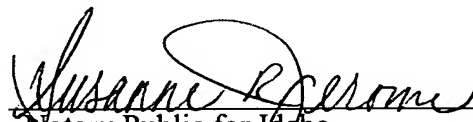
At Boise, Idaho  
(City and State)

on this 31 day of May, 2001.

STATE OF IDAHO                     )  
  )   ss.  
COUNTY OF ADA                    )

This 31 day of May, 2001, before me personally came the above-named Sahn Dang Tang, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



  
Notary Public for Idaho  
My commission expires:

Daniel Smith

Daniel Smith

At BOISE, IDAHO  
(City and State)

on this 31 day of MAY, 2001.

STATE OF IDAHO )

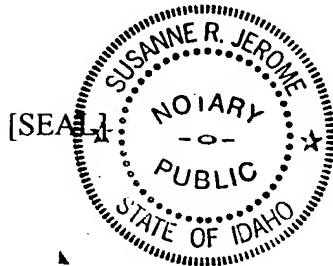
) ss.

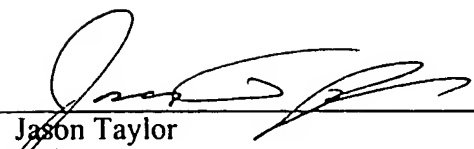
COUNTY OF ADA )

This 31 day of MAY, 2001, before me personally came the above-named Daniel Smith, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

Susanne R. Jerome  
Notary Public for Idaho

My commission expires:




  
\_\_\_\_\_  
Jason Taylor

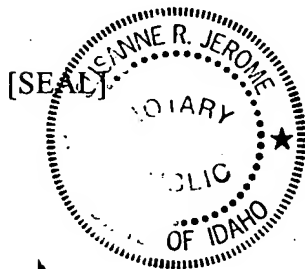
At Borise, IDAHO  
(City and State)

on this 1 day of JUNE, 2001.

STATE OF IDAHO                     )  
  ) ss.  
COUNTY OF ADA                   )

This 1 day of JUNE, 2001, before me personally came the above-named Jason Taylor, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

  
\_\_\_\_\_  
Notary Public for Idaho  
My commission expires:





**MICRON TECHNOLOGY, INC.  
CERTIFIED COPY OF RESOLUTIONS**

I, Jan R. Reimer, the Assistant Secretary of Micron Technology, Inc. do hereby certify, that the resolutions attached hereto represent a complete, true and correct copy of the resolutions duly adopted by the Board of Directors of Micron Technology, Inc. (the "Corporation"), a corporation duly organized and existing under the laws of the State of Delaware, at a meeting duly held on March 25, 1996, a quorum being present, and have been entered into the minutes of said meeting; that I am the keeper of the corporate seal and of the minutes and records of this Corporation; and that said resolutions have not been rescinded or modified.

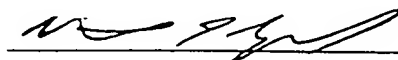
The resolutions attached hereto are in conformity with the Certificate of Incorporation and Bylaws of the Corporation and are now in full force and effect.

I further certify that the person whose name and signature is set out below is the person authorized to act for said Corporation in transactions with and pursuant to the foregoing resolutions, and that such person is now duly qualified and acting in his respective capacity:

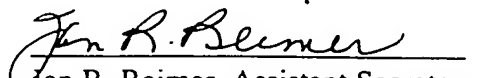
**NAME AND TITLE**

Michael L. Lynch, Chief Patent Counsel

**SIGNATURE**



IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed the seal of the said Corporation, this 24th day of August, 1998.

  
Jan R. Reimer, Assistant Secretary

**MICRON TECHNOLOGY, INC.**  
**BOARD OF DIRECTORS RESOLUTIONS**

**WHEREAS**, certain key employees require the authority to execute certain documents on behalf of the Company in order to enable them to effectively and efficiently carry out their responsibilities and duties to the Company.

**NOW THEREFORE BE IT RESOLVED**, that the Board hereby approves and authorizes Mr. Michael L. Lynch, Assistant General Counsel for Intellectual Property, to execute on behalf of the Company, documents pertaining to the Company's patent prosecution matters, including but not limited to documents relating to representation before a patent examining authority, patent terms and other patent prosecution procedures, both in the United States and other countries, upon such terms and conditions as the General Counsel of the Company shall deem necessary or appropriate.